ANT-OMNI-2459-04 - Antenna

1284780

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Multiband omnidirectional antenna for freely mobile applications, compact design, frequency band: 2.4 GHz / 5 GHz / 6 GHz, gain: 2.0 dBi / 2.5 dBi / 3.0 dBi, degree of protection: IP68/IP69K, shock- and vibration-resistant, connection: N (male)

Your advantages

- Compact design
- Ideally suited for freely mobile applications with 2.4 GHz, 5 GHz, or 6 GHz
- Universal use with the wide frequency range
- Shock- and vibration-resistant

Commercial data

Item number	1284780
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNN2Z1
GTIN	4063151490621
Weight per piece (including packing)	49.6 g
Weight per piece (excluding packing)	49.5 g
Customs tariff number	85177100
Country of origin	CN

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Antenna
Radiation characteristics	Omnidirectional
Gain	1.5 dBi (1.7 GHz ... 2.0 GHz)
	2 dBi (2.0 GHz ... 2.7 GHz)
	1.5 dBi (2.7 GHz ... 4.2 GHz)
	2.5 dBi (4.9 GHz ... 5.9 GHz)
	3 dBi (5.9 GHz ... 7.1 GHz)
Polarization	Linear vertical

Electrical properties

Frequency band	2.4 GHz
	5 GHz
	6 GHz
Frequency range	1.7 GHz ... 7.1 GHz
Impedance	50 Ω
Maximum capacity	120.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 2.00

Connection data

Connection technology

Connection method	N (male)

Dimensions

Length	55 mm
Diameter	22 mm

Material specifications

Color	black (RAL 9005)
Material	ASA, Acrylic ester styrene-acrylonitrile
Flammability rating according to UL 94	HB

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP68/IP69K
Ambient temperature (operation)	-40 °C ... 85 °C

Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Electronic devices in rail vehicles

Shock (operation)	In accordance with EN 61373 (category 1, class B)
Vibration (operation)	In accordance with EN 61373 (category 1, class B)

Standards and regulations

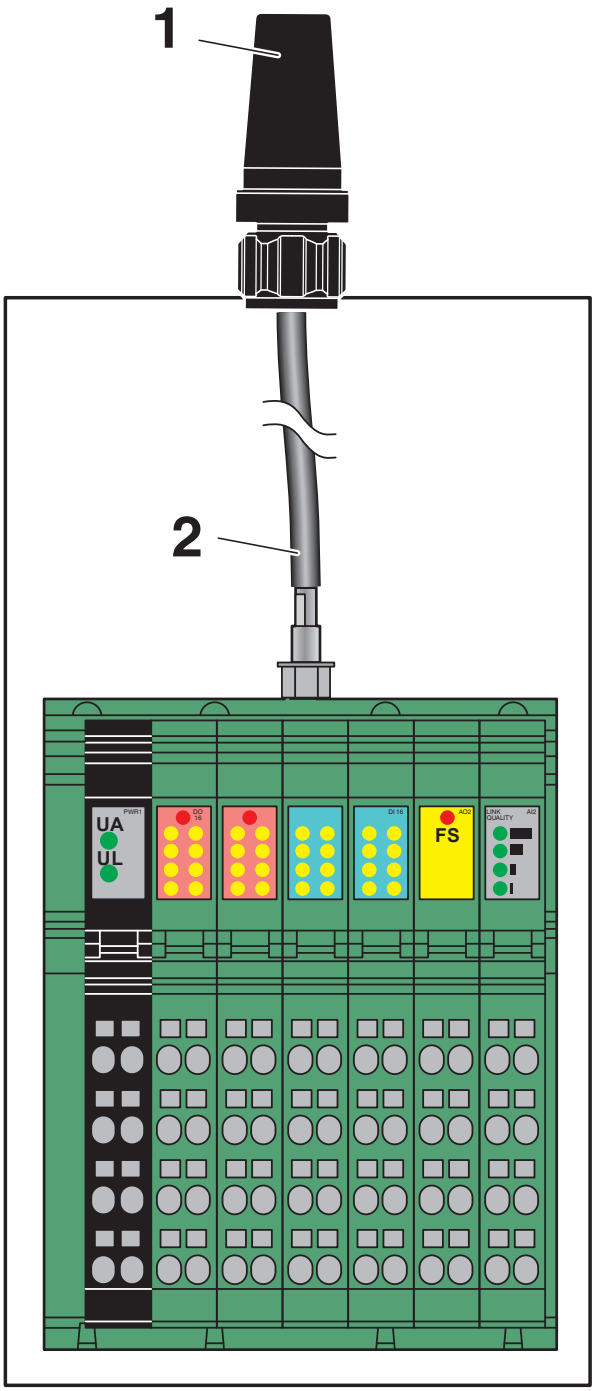
Standards/specifications	EN 45545-2
Note	Fire protection on railway vehicles
Standards/specifications	EN 50155
Note	Railway application

Mounting

Mounting type	Control cabinet mounting
Assembly note	Accessories required
	Outdoors and indoors

Drawings

Schematic diagram



Installation example

Classifications

ECLASS

ECLASS-13.0	19070105
ECLASS-15.0	19070105

ETIM

ETIM 10.0	EC001698

UNSPSC

UNSPSC 21.0	43223100

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-25
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	2.891 kg CO2e

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com